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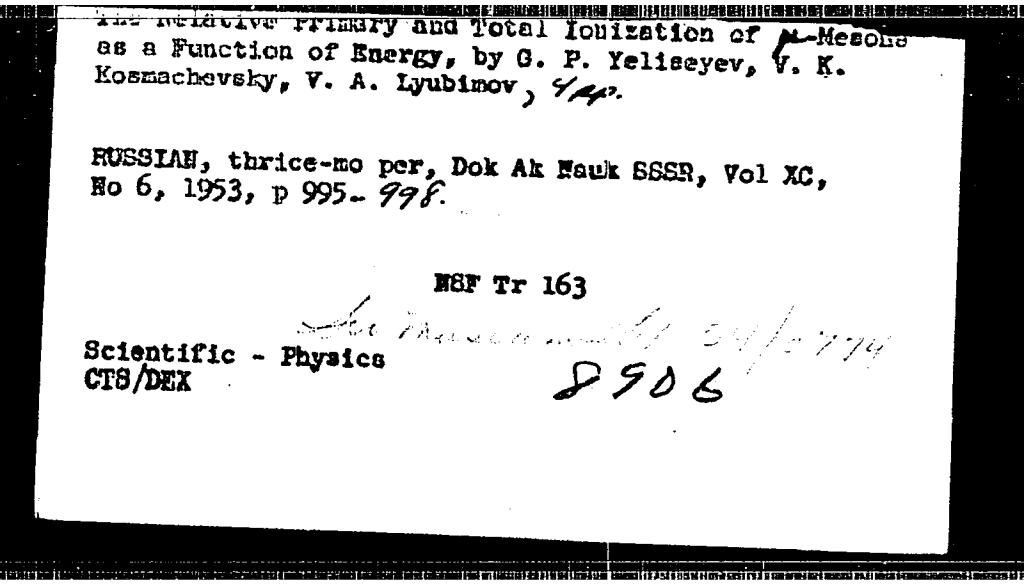

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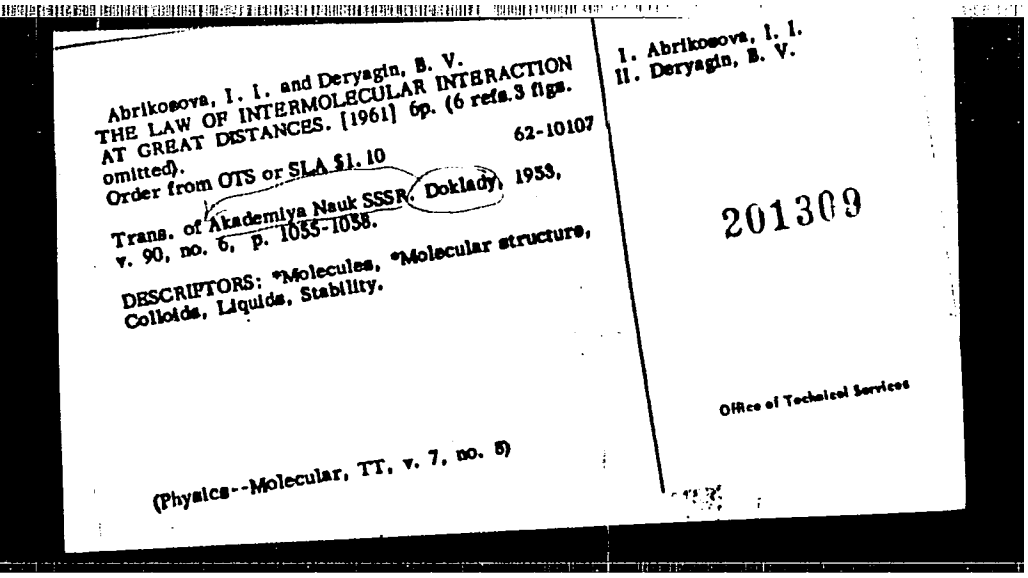

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DESCRIPTORS: *Molecules, *Molecular structure, Colloids, Liquids, Stability.

(Physics--Molecular, TT, v. 7, no. 5)

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Passivation and activation of magnesium in alkaline solutions

Passivierung und Aktivierung von Magnesium in Alkalilösungen

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German

Euratom

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Kul'kova, N. V., Kuznets, A. D., and Temkin, M. I. EXCHANGE OF OXYGEN ISOTOPES BETWEEN CARBON MONOXIDE AND CARBON DIOXIDE ON AN IRON CATALYST. 10p 4 refs DTC-21.
Order from OTS, ETC or DTC $0.80 63-26688

Trans. of Akademiya Nauk SSSR, Doklady, 1953, v. 90, [no. 6] p. 1067-1070.
Another trans. is available in Dutch from OTS or ETC $1.55 as 61-17422, MTWL-795, 11p.

DESCRIPTORS: Carbon compounds, Monoxides, *Carbon dioxide, *Isotopes, *Oxygen, Iron compounds, Oxides, Catalysts, *Exchange reactions, *Iron catalysts.

(Chemistry--Physical, TT, v. 10, no. 10)

63-26688

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II. Kuznets, Z. D.
III. Temkin, M. I.
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V. Danish Translations Centre

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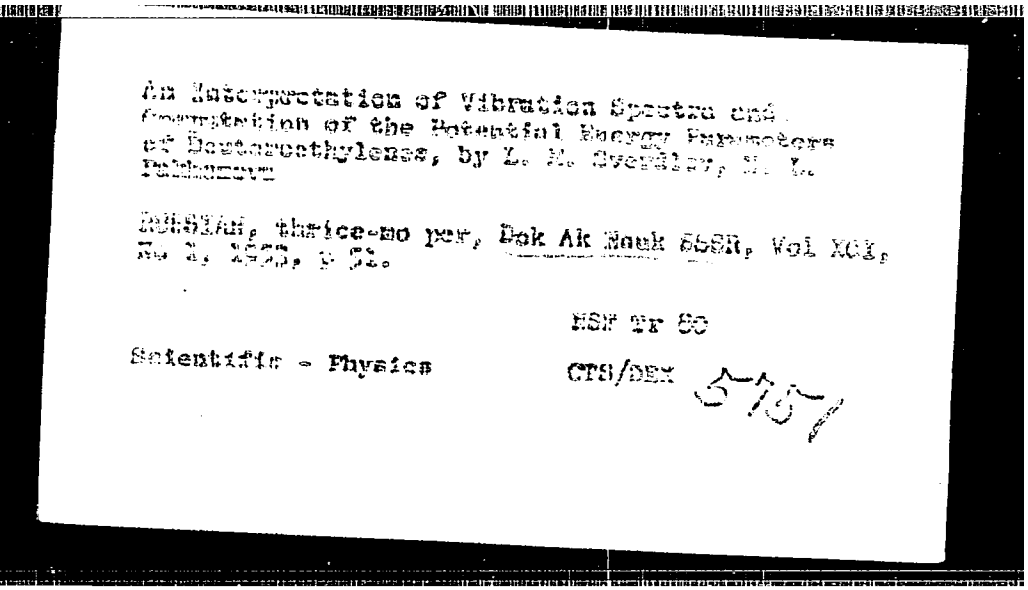

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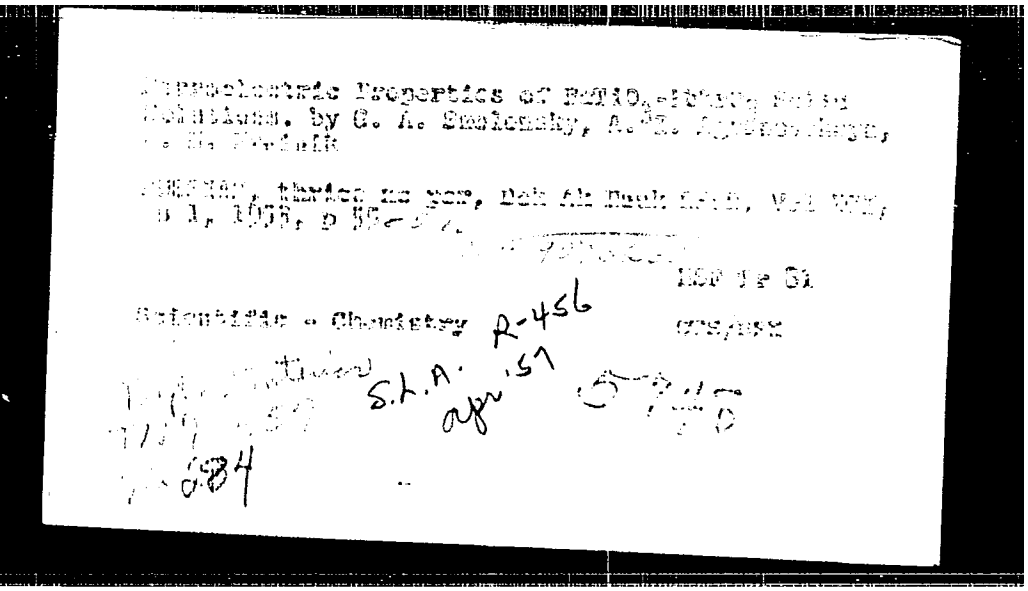

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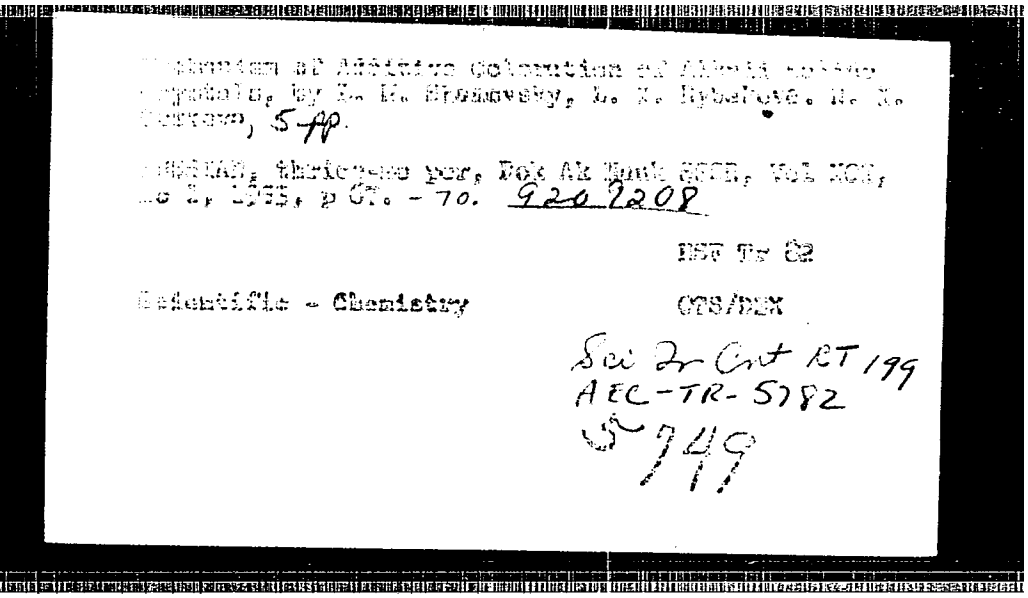

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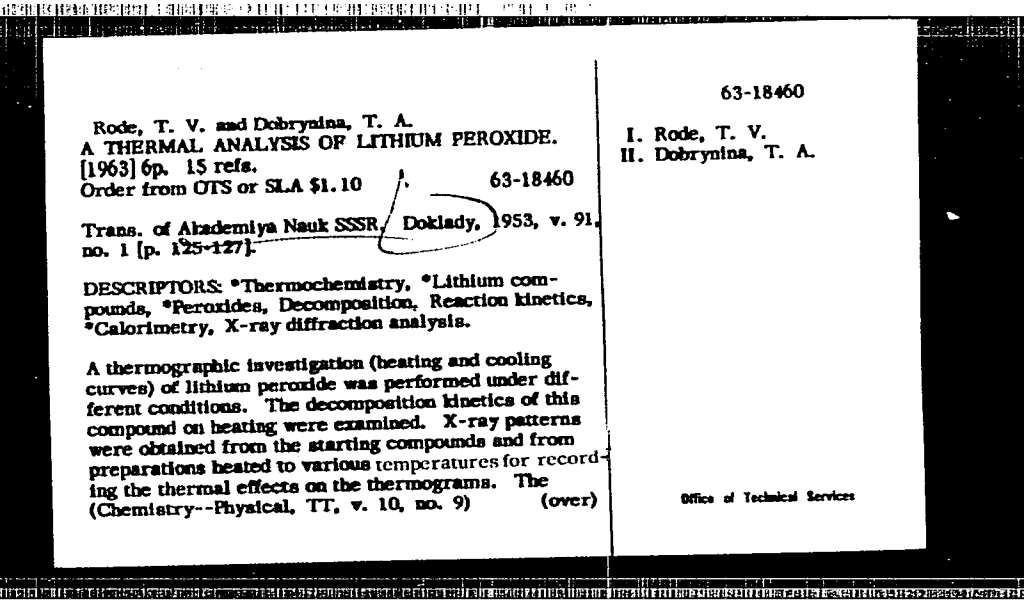

Rode, T. V. and Dobrynina, T. A.
A THERMAL ANALYSIS OF LITHIUM PEROXIDE.
[1963] 6p. 15 refs.
Order from OTS or SLA $1.10 63-18460

Trans. of Akademiya Nauk SSSR, Doklady, 1953, v. 91, no. 1 [p. 125-127].

DESCRIPTORS: *Thermochemistry, *Lithium compounds, *Peroxides, Decomposition, Reaction kinetics, *Calorimetry, X-ray diffraction analysis.

A thermographic investigation (heating and cooling curves) of lithium peroxide was performed under different conditions. The decomposition kinetics of this compound on heating were examined. X-ray patterns were obtained from the starting compounds and from preparations heated to various temperatures for recording the thermal effects on the thermograms. The
(Chemistry--Physical, TT, v. 10, no. 9) (over)

63-18460

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II. Dobrynina, T. A.

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Oxide Films and the Effect of Surface Active Substances On the Creep of Metal Single Crystals, by V. I. Rozhinskiy, P. A. Rebinder, 7 pp.

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Sci Tr Ctr RT-3332

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Scientific - Chemistry

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Vacuum Polarization in the Theory of Strong Coupling, by Geilikman

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Formation of V-Centers in Alkali Halide Crystals During Their Additive Coloration in Halogen Vapors, by L. M. Shamovsky

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S-4233 (NY-1562)

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The Nonsteady Rate of Nucleation of a New Phase Under Great Supercooling, by B. Ya. Lyubov

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USF Tr 99

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On the Nature of Viscous Destruction of Metals, by V. A. Pavlov

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Sci Jr C.+ RT 455

Scientific - Minerals/Metals
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*CFSTI TT 70-57036

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Influence of the Temperature Upon the Speed of Corrosion of Aluminium and Some Aluminium Alloys, by G. V. Akimov, V. V. Romanov,

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The Simplest Ethers of Diethylphospheric Acidm, by A. I. Razumov, O. A. Mukhacheva, 2 pp.

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Sci Mu Lib Tr 55/0842

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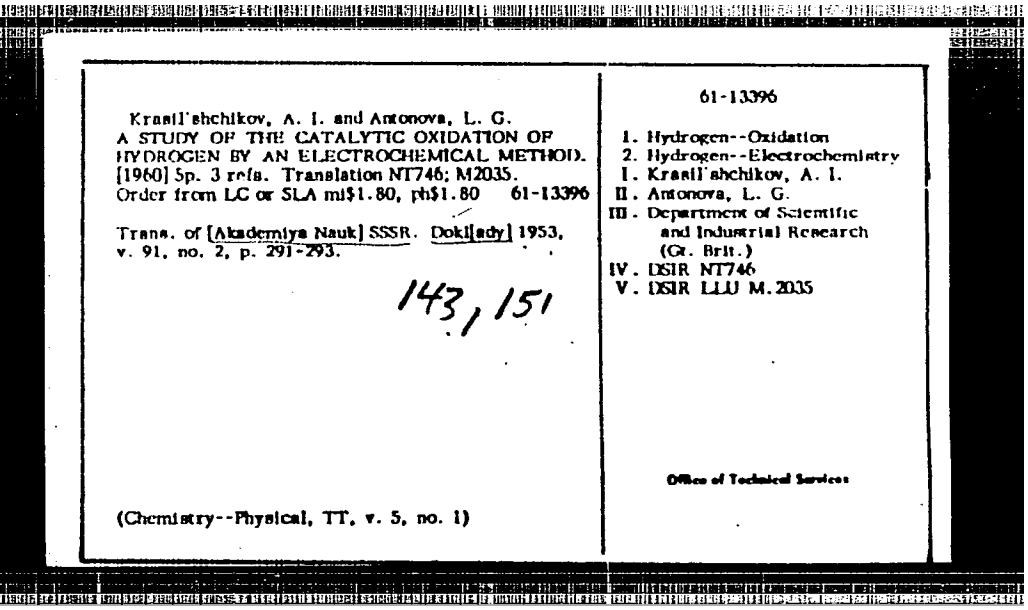

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(Chemistry--Physical, TT, v. 5, no. 1)

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1. Hydrogen--Oxidation
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I. Krasil'shchikov, A. I.
II. Antonova, L. G.
III. Department of Scientific and Industrial Research (Gt. Brit.)
IV. DSIR NT746
V. DSIR LLU M.2035

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New Principle in the Investigation of Atmospheric Corrosion of Metals, by I. L. Rozenfel'd, T. I. Pavlutskaya.

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Co-op Tr Sch No 81
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Photoreduction of C^{14}-Labeled Carbon Dioxide by Isolated Chloroplasts, by E. A. Boichenko, V. I. Baranov, 5 pp.

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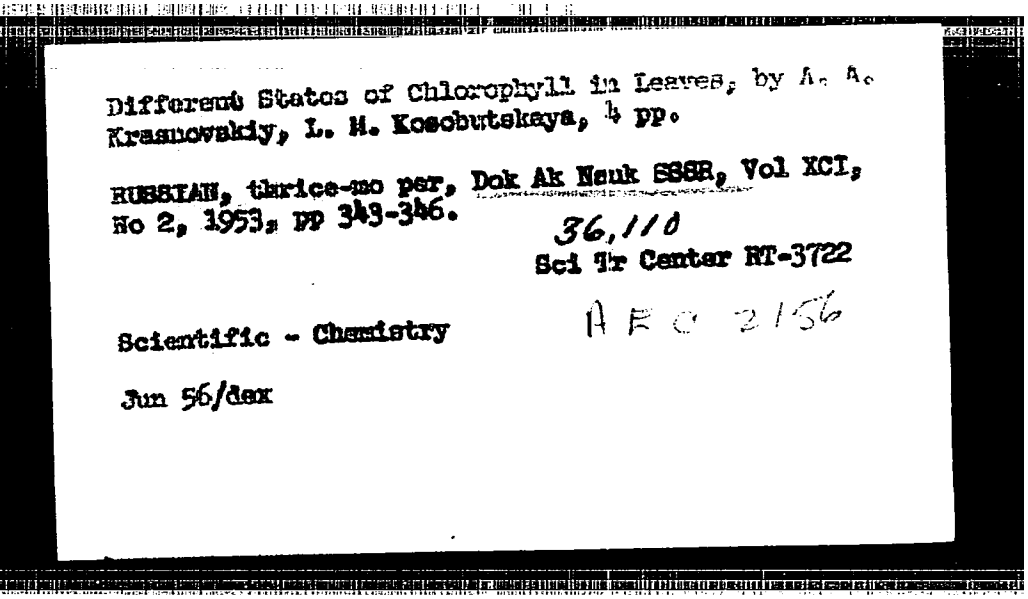

Different States of Chlorophyll in Leaves, by A. A. Krasnovskiy, L. M. Kosobutskaya, 4 pp.

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Palladin, A. V. and Polyakova, N. M.
HEXOKINASE IN VARIOUS PARTS OF THE BRAIN AND IN DIFFERENT FUNCTIONAL CONDITIONS. [1964] 5p 10refs
Order from OTS, SLA, or ETC $1.10 TT-64-16219

Trans. of Akademiya Nauk SSSR/ Doklady/ 1953, v. 91, no. 2, p. 347-349.

(Biological Sciences--Biochemistry, TT, v. 12, no. 4)

I. Palladin, A. V.
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New Data on the Geological Structure of the Soviet Far Eastern SEas, by P. L. Bezrukov, G. B. Udintsev, 5 pp.

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Sci Mus Sib No 56/3058
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Cosmogony of the Planetary System and Evolution of the Sun, by B. J. Levin, 8 pp

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(FDD 20019)

Over-All Electrical Activity as One of the Indices of the Functional Condition of the Cerebral Cortex, by G. D. Smirnov, P. M. Vinogradov, 9 pp.

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CIA/FDD/U-5567

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On the Origin of Cosmic ~~XX~~ Rays, by I. S. Shklovskiy.
UNCLASSIFIED

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"On the Two Types of Charge Invariance, by A. Baldin, V. Shebalov

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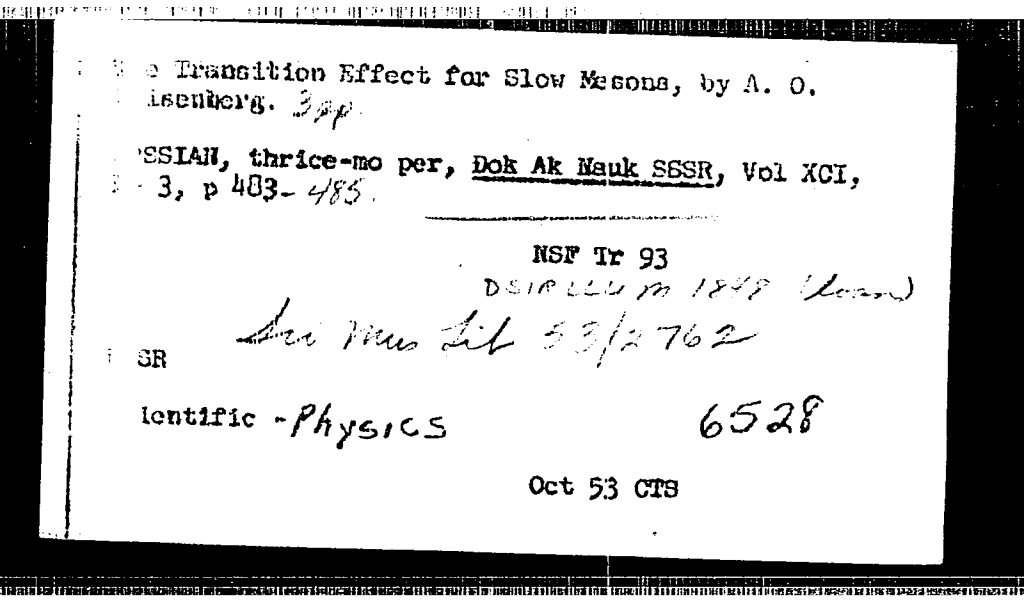

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NSF Tr 93

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Study of Electron-Nuclear Showers and Penetrating Particles in the Stratosphere at Various Latitudes, by S. N. Vernov, A. E. Charakhchyan

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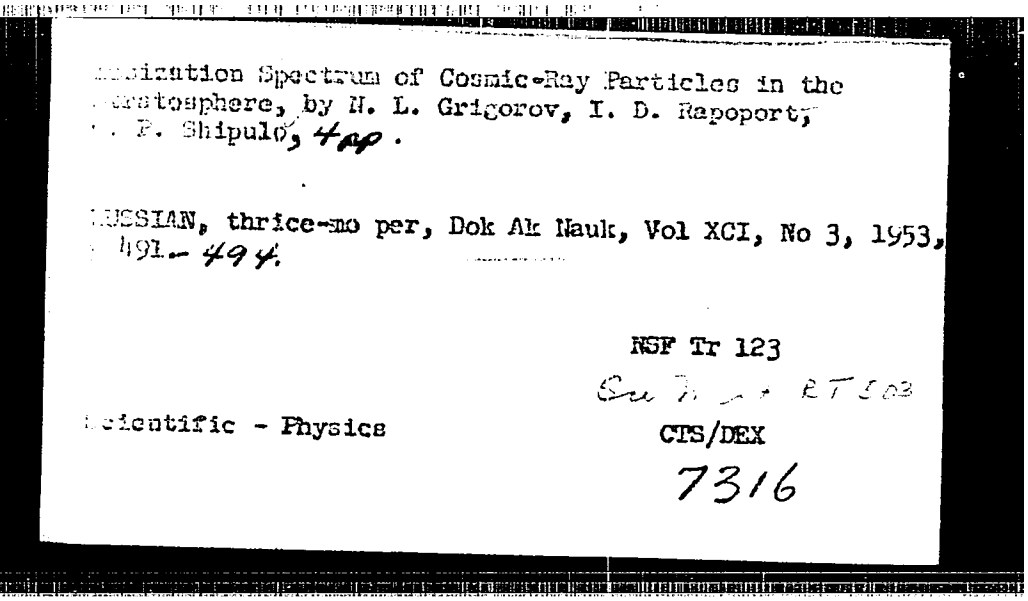

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An Investigation of the Nonionizing Component of Cosmic Rays in the Stratosphere, by V. S. Zaryad, Yu. A. Smorodin, Z. I. Tulinova

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Vibrational Spectra of Benzene and Deuterobenzenes: Computation and Interpretation, by A. A. Novner

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Vibrational Spectra of Formic Acid (Monomer) and Its Deuterosubstitued Forms: Computation and Interpretation, by L. M. Sverdlov

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On the Interaction Cross Section of Very Fast Nucleons, by Ye. L. Feinberg, D. S. Chernavsky

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NSF Tr 111

Sci Tr Ext RT 398

Scientific - Nuclear Physics
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Atomic Interaction at Distances Smaller Than 5×10^{-1} Centimeters, by O. B. Firsov. 4pp

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol XCI, No 3, p 515. 518.

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The Effect of Plastic Deformation Arising During Decomposition of a Solid Solution on the Rate of Growth of a Nucleus of the New Phase, by L. N. Aleksandrov, B. Ya. Lyubov.

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The Alkylation of Benzene, Xylene, and Butylbenzene with Acetylene (Abstract), by V. L. Vaiser, 1 p.

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Miesserov, K.G.
POISONING OF ALUMINOSILICATE CATALYSTS BY PYRIDINE BASES. 7 p. 10 refs. MTWL: 665.
Order from OTS or ETC $1.55 61-17197

Trans. of Akademiya Nauk SSSR. Doklady, 1953, v. 91, no. 3, p. 553-556.

DESCRIPTORS: *Alumina-silica catalysts, Poisoning, Pyridine derivatives.

61-17197

I. Miesserov, K.G.
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INVESTIGATION INTO THE REACTIVITY OF AROMATIC COMPOUNDS ACCORDING TO THE ISOTOPE EXCHANGE METHOD WITH DEUTERIUM BROMIDE.
8 p. 4 refs. MTWL: 636
Order from OTS or ETC $1.55 61-17208

Trans. of Akademiya Nauk SSSR. Doklady, 1953, v. 91, no. 3, p. 577-580.

DESCRIPTORS: *Benzenes, Hydrogen compounds, Bromides, Liquids, *Exchange reactions, Deuterium.

61-17208

I. Kalimachenko, V.R.
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Glucose as the Initial Substance for Synthesis of the Assimilatory Pigments of Plants, by T. N. Godnev, A. A. Shlyk, 3 pp.

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Order from CTS, SLA, or ETC $1.10 TT-64-14044

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DESCRIPTORS: *Glass, Colors, Chemical analysis.

(Materials--Ceramics, TT, v. 11, no. 10)

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1. Title: Lomonosov glass
I. Bezborodov, M. A.
II. Chenakal, V. L.
III. Lomonosov, M. V.

Office of Technical Services

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